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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO. CONFIRMATION N		
10/710,783	08/02/2004	Cheng-Yi Huang	REAP0100USA	4782	
27765 7590 03/28/2008 NORTH AMERICA INTELLECTUAL PROPERTY CORPORATION P.O. BOX 506 MERRIELE D. VA 22116			EXAMINER		
			PHU, PHUONG M		
MERRIFIELD, VA 22116			ART UNIT	PAPER NUMBER	
		2611			
			NOTIFICATION DATE	DELIVERY MODE	
		03/28/2008	ELECTRONIC		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

winstonhsu.uspto@gmail.com Patent.admin.uspto.Rcv@naipo.com mis.ap.uspto@naipo.com.tw

		Application	on No.	Applicant(s)				
		10/710,78	33	HUANG ET AL.				
	Office Action Summary	Examiner		Art Unit				
		Phuong P		2611				
Period fo	The MAILING DATE of this communication or Reply	appears on the	e cover sheet with the d	correspondence ad	ddress			
WHI(- Exte after - If NO - Failu Any	ORTENED STATUTORY PERIOD FOR RECHEVER IS LONGER, FROM THE MAILING nsions of time may be available under the provisions of 37 CF SIX (6) MONTHS from the mailing date of this communication of period for reply is specified above, the maximum statutory per use to reply within the set or extended period for reply will, by streply received by the Office later than three months after the med patent term adjustment. See 37 CFR 1.704(b).	G DATE OF TH R 1.136(a). In no evol. Priod will apply and w tatute, cause the app	HIS COMMUNICATION ent, however, may a reply be tir Il expire SIX (6) MONTHS from lication to become ABANDONE	N. nely filed the mailing date of this of D (35 U.S.C. § 133).	•			
Status								
1) 又	Responsive to communication(s) filed on $\underline{0}$	17 January 200	8					
		<u>-</u>						
3)	This action is FINAL . 2b) This action is non-final. Since this application is in condition for allowance except for formal matters, prosecution as to the merits is							
▽ /∟	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Disposit	ion of Claims							
4)🖂)⊠ Claim(s) <u>1-18 and 20</u> is/are pending in the application.							
<i>,</i> —	4a) Of the above claim(s) is/are withdrawn from consideration.							
5) 又	Claim(s) <u>11-18 and 20</u> is/are allowed.							
·	☑ Claim(s) <u>1-7,9 and 10</u> is/are rejected.							
	Claim(s) <u>7-7,9 and 10</u> is/are rejected. Claim(s) <u>8</u> is/are objected to.							
	Claim(s) are subject to restriction and/or election requirement.							
Applicat	ion Papers							
	The specification is objected to by the Exan	niner						
,			☐ objected to by the l	Examiner				
10/	10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).								
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
·	under 35 U.S.C. § 119							
	_	sian priority up	dor 25110 C & 110/a	\ (d) or (f)				
	12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).							
a)	a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received.							
	2. Certified copies of the priority documents have been received in Application No							
	3. Copies of the certified copies of the priority documents have been received in this National Stage							
application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.								
`	see the attached detailed Office action for a	list of the certi	ned copies not receive	cu.				
Attachmen								
1) Notice of References Cited (PTO-892) A) Interview Summary (PTO-413) Discrete of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date								
3) Information Disclosure Statement(s) (PTO/SB/08) 5) Notice of Informal Patent Application								
Paper No(s)/Mail Date 6) Other:								

Application/Control Number: 10/710,783 Page 2

Art Unit: 2611

DETAILED ACTION

1. This Office Action is responsive to the Amendment filed on 1/7/08. Accordingly, claims 1-18 and 20 are currently pending; and claim 19 is canceled.

Claim Rejections - 35 USC § 112

- The following is a quotation of the second paragraph of 35 U.S.C. 112:
 The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 3. Claims 1-7, 9 and 10 are rejected under 35 U.S.C. 112, second paragraph, as being incomplete for omitting essential structural cooperative relationships of elements, such omission amounting to a gap between the necessary structural connections. See MPEP § 2172.01.

Claim 8 omits essential structural/functional cooperative relationships of elements "DC detector", "adder", "delay unit" and "multiplier" to one another for making the claimed system as a complete operative and connective device. The omissions, therefore, render the claim unclear on how said elements are cooperatively connected to one another, e.g., unclear on whether the input of the "adder" is connected/coupled to the output of the "delay unit" or the output of the "adder" is connected/coupled to the input of the "delay unit", etc.

Claims 2-7, 9 and 10, depended on claim 1, are also rejected with the same reason set forth above for claim 1.

Claim 9 recites the limitation "the predetermined coefficient". This limitation is lack of antecedent basis. It appears that in the claim, the phrase "The carrier recovery system of claim 1" should be "The carrier recovery system of claim 8".

Allowable Subject Matter

4. Claims 11-18 and 20 are allowed.

Application/Control Number: 10/710,783 Page 3

Art Unit: 2611

5. Claim 8 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Response to Arguments

6. Applicant's arguments filed on 1/7/08 have been fully considered.

As results, the previous rejections and objections are withdrawn; and claims 8, 11-18 and 20 are indicated allowable as set forth above since the claims have been amended and overcome the previous rejections or objections.

Claims 1-7, 9 and 10, however, are deemed not allowable because of reasons set forth above in this Office Action.

Conclusion

7. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Application/Control Number: 10/710,783 Page 4

Art Unit: 2611

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Phuong Phu whose telephone number is 571-272-3009. The

examiner can normally be reached on M-F (8:00 AM - 4:30 PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Chieh Fan can be reached on 571-272-3042. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

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like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Phuong Phu Primary Examiner

Art Unit 2611

/Phuong Phu/

Primary Examiner, Art Unit 2611